

# BIODEGRADABLE VEHICLES AND DELIVERY SYSTEMS OF BIOLOGICALLY ACTIVE SUBSTANCES

**Patent number:** JP2004511431T

**Publication date:** 2004-04-15

**Inventor:**

**Applicant:**

**Classification:**

**- international:**

**A61K47/30; A61F2/00; A61F13/00; A61K9/00; A61K9/06; A61K9/08; A61K9/16; A61K9/22; A61K31/00; A61K38/00; A61K47/08; A61K47/10; A61K47/14; A61K47/16; A61K47/32; A61K47/34; A61K47/42; A61L27/00; A61L31/04; A61L31/14; A61L31/16; C08L101/16; A61K47/22; A61K47/30; A61F2/00; A61F13/00; A61K9/00; A61K9/06; A61K9/08; A61K9/16; A61K9/22; A61K31/00; A61K38/00; A61K47/08; A61K47/10; A61K47/14; A61K47/16; A61K47/32; A61K47/34; A61K47/42; A61L27/00; A61L31/04; A61L31/14; C08L101/00; A61K47/22; (IPC1-7): A61K47/30; A61K9/06; A61K9/08; A61K47/08; A61K47/10; A61K47/14; A61K47/16; A61K47/32; A61K47/34; A61K47/42; A61L27/00; A61K9/00M5; A61K9/00M5D; A61K9/16H6D4; A61K9/16P4; A61K31/00; A61K47/34; A61L31/04B; A61L31/14K; A61L31/16; C08K5/11**

**- european:**

**Application number:** JP20020504922T 20010226

**Priority number(s):** CN20001020871 20000803; IN2000MU00694 20000725; US20000605661 20000628; WO2001US06138 20010226

**Also published as:**



WO0200137 (A1)

EP1299048 (A0)

CN1438858 (A)

CA2413157 (A1)

CN1283215C (C)

[Report a data error here](#)

Abstract not available for JP2004511431T

Abstract of correspondent: **WO0200137**

Biodegradable vehicle and delivery systems of physiologically, pharmacologically and biologically active substance(s) (BAS) are provided. The biodegradable vehicles may be prepared by blending biodegradable polymers and plasticizers using a novel solvent evaporation method. This method involves dissolving the biodegradable polymer or copolymer and a plasticizer or mixtures of plasticizers into a volatile solvent or mixtures of volatile solvents. The volatile solvent is then removed using vacuum or at an elevated temperature or using a combination of both vacuum and elevated temperature. The biodegradable vehicle can be used as filler or spacer in the body. Biologically active substances (BAS) can be added to the biodegradable vehicle at any step during or after preparing the biodegradable vehicle, or just prior to using the biodegradable delivery system. This

[illegible]

10/13/2008